

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2104 Peters Pocket Tract

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|-----------------|
| Unit No. 01 Cache Slough/Unit No. 02 Haas Slough | Left | 6.85 | 04/12/2017 04/12/2017 | Herman Phillips |

| | | | | | |
|---|-------------------------------|--------------|----|------------------------|-----|
| LM Start | | Rating ** | M | Issue No. | 12 |
| LM End | | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Flood Preparedness & Training | | | | |
| DWR ID | DWR_RD2104_01_s_2012_12 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| District needs to have their staff flood fight trained. | | | | | |

No Photos

| | | | | | |
|--------------------------------------|----------------------------------|--------------|----|------------------------|-----|
| LM Start | | Rating ** | A | Issue No. | 14 |
| LM End | | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Operations & Maintenance Manuals | | | | |
| DWR ID | DWR_RD2104_01_f_2012_14 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| District has the O+M Manual on hand. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|-----------------|
| Unit No. 01 Cache Slough/Unit No. 02 Haas Slough | Left | 6.85 | 04/12/2017 04/12/2017 | Herman Phillips |

| | | | | | |
|---|--------------------------------|--------------|------------------------|------------|-----------|
| LM Start | | Rating ** | M | Issue No. | 40 |
| LM End | | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Emergency Supplies & Equipment | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD2104_01_s_2012_40 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| District needs to have flood fight supplies in storage. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.01 | Rating ** | M | Issue No. | 11 |
| LM End | 0.88 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.308100° | 38.299327° | |
| | | | -121.758573° | -121.749800° | |
| DWR ID | DWR_RD2104_01_s_2017_11 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |

Photo 1 of 1 : SP_2017_RD2104_249_11_20170523_00042.jpg



RD 2104 Looking downstream from 0.00 -0.88.

| | | | | | |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.01 | Rating ** | U | Issue No. | 17 |
| LM End | 5.72 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.308090° | 38.324538° | |
| | | | -121.758615° | -121.758098° | |
| DWR ID | DWR_RD2104_01_f_2016_17 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control annual grasses and weeds on the waterside slope. | | | | | |

Photo 1 of 1 : SP_2017_RD2104_249_17_20170518_00039.jpg



RD 2104 Waterside levee slope levee mile 0.01-1.43.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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|--|------|------------|--------------------------|--------------------|
| Unit No. 01 Cache Slough/Unit No. 02 Haas Slough | Left | 6.85 | 04/12/2017 04/12/2017 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.02 | Rating ** | U | Issue No. | 18 |
| LM End | 6.84 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.308053 ° | 38.308433 ° |
| | | | | -121.758557 ° | -121.758533 ° |
| DWR ID | DWR_RD2104_01_f_2016_18 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| Keep the crown roadway vegetation free. | | | | | |

No Photos

| | | | | | |
|---|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.17 | Rating ** | M | Issue No. | 20 |
| LM End | 6.84 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 38.306052 ° | 38.308433 ° |
| | | | | -121.757582 ° | -121.758533 ° |
| DWR ID | DWR_RD2104_01_f_2016_20 | | | | |
| Comment Code | | | | | |
| C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation. | | | | | |
| Inspector Comment | | | | | |
| Add appropriate material, re-grade and compact for proper drainage. (Where needed, AND keep live stock off the crown roadway particularly during rainy weather | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
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|--|------|------------|--------------------------|-----------------|
| Unit No. 01 Cache Slough/Unit No. 02 Haas Slough | Left | 6.85 | 04/12/2017 04/12/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.88 | Rating ** | U | Issue No. | 26 |
| LM End | 5.72 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.299327 ° | 38.324538 ° |
| | | | | -121.749802 ° | -121.758098 ° |
| DWR ID | DWR_RD2104_01_s_2017_26 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| No maintenance has been done to the levee section from levee mile 0.88-5.72. | | | | | |

Photo 1 of 1 : SP_2017_RD2104_249_26_20170523_00043.jpg



RD 2104 Looking downstream from levee mile 0.88- 5.72.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.20 | Rating ** | U | Issue No. | 22 |
| LM End | 1.20 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.296615 ° | 38.296615 ° |
| | | | | -121.745372 ° | -121.745372 ° |
| DWR ID | DWR_RD2104_01_f_2016_22 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| Make the repairs to the erosion site listed on the waterside slope. | | | | | |

Photo 1 of 1 : SP_2017_RD2104_249_22_20170404_00002.jpg



RD 2104 Levee mile 1.20 waterside slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.27 | Rating ** | M | Issue No. | 23 |
| LM End | 1.27 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.296182 ° | 38.296182 ° |
| | | | | -121.744318 ° | -121.744318 ° |
| DWR ID | DWR_RD2104_01_f_2016_23 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| Repair the slope damaged by cows and trim up the tree limbs partially blocking the erosion site. | | | | | |

Photo 1 of 1 : SP_2017_RD2104_249_23_20170404_00003.jpg



RD 2104 Levee mile 1.27 wateside.

| | | | | | |
|-------------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

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|--|------|------------|--------------------------|--------------------|
| Unit No. 01 Cache Slough/Unit No. 02 Haas Slough | Left | 6.85 | 04/12/2017 04/12/2017 | Herman Phillips |

| | | | | | |
|--------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.57 | Rating ** | M | Issue No. | 44 |
| LM End | 1.57 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Repair Gates | | | 38.294117 ° | 38.294117 ° |
| | | | | -121.740385 ° | -121.740385 ° |
| DWR ID | DWR_RD2104_01_f_2014_44 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Repair the damaged gate. | | | | | |

No Photos

| | | | | | |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.93 | Rating ** | M | Issue No. | 16 |
| LM End | 1.94 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.292027 ° | 38.291947 ° |
| | | | | -121.734575 ° | -121.734453 ° |
| DWR ID | DWR_RD2104_01_s_2012_16 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|-----------------|
| Unit No. 01 Cache Slough/Unit No. 02 Haas Slough | Left | 6.85 | 04/12/2017 04/12/2017 | Herman Phillips |

| | | | | | |
|-------------------------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 3.06 | Rating ** | M | Issue No. | 46 |
| LM End | 3.06 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Erosion / Bank Caving | | 38.299679 ° | 38.299679 ° | |
| | | | -121.730469 ° | -121.730469 ° | |
| DWR ID | DWR_RD2104_01_s_2012_46 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Note and monitor the erosion site. | | | | | |

No Photos

| | | | | | |
|--------------------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start | 3.12 | Rating ** | M | Issue No. | 119 |
| LM End | 3.12 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Repair Gates | | 38.300600 ° | 38.300600 ° | |
| | | | -121.730432 ° | -121.730432 ° | |
| DWR ID | DWR_RD2104_01_f_2014_119 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Repair the damaged gate. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|-----------------|
| Unit No. 01 Cache Slough/Unit No. 02 Haas Slough | Left | 6.85 | 04/12/2017 04/12/2017 | Herman Phillips |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.01 | Rating ** | U | Issue No. | 124 |
| LM End | 4.01 | Issue Type + | Ma | Location * | CR |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.310873 ° | 38.310873 ° |
| | | | | -121.736189 ° | -121.736189 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:51640
DS_ID:24706
EP_NO: 10183
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 12/06/2016 Pipe has been replaced with PVC pipe. The crossing is non-functional due to pipe not attached to new pump. Need to contact owner. Owner will need to coordinate with CVFPB regarding the modifications made to this crossing (modifications include pipe replacement, material used for pipe replacement, and debris left from construction on levees). (O. Magana - DWR UCIP)12/04/2013
Pipe rusted through on WS berm. Siphon breaker in CMP riser blocked by riser misalignment. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: *REMOVED* 12-inch steel drainpipe through the levee, 4 feet below the crown. Pump on pile structure in drainage ditch is located on the landside (LS). One corrugated metal cutoff wall and a siphon breaker in a 24-inch corrugated metal pipe (CMP) riser located on the waterside (WS) shoulder. Flap gate is located on the WS end. (12-inch pipe removed in 2016 no permit found authorizing work; 12-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10183, 1974 - Miller) [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual Unit 108, April 1964, As-built drawing no. 50-04-3379 (HLM 4.32)].
FS Date: 12/6/2016

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 4.01 | Rating ** | U | Issue No. | 124 (cont) |
| LM End | 4.01 | Issue Type + | Ma | Location * | CR |

Photo 1 of 3 : UCIP_SP_2017_51640_45056.jpg



Pump on pier off LS toe at ponding area. power pole and meter on LS toe.

Photo 2 of 3 : UCIP_SP_2017_51640_45055.jpg



Siphon breaker in CMP riser on WS slope.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
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| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.01 | Rating ** | U | Issue No. | 124 (cont) |
| LM End | 4.01 | Issue Type + | Ma | Location * | CR |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.310873 ° | 38.310873 ° |
| | | | | -121.736189 ° | -121.736189 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:51640
DS_ID:24706
EP_NO: 10183
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 12/06/2016 Pipe has been replaced with PVC pipe. The crossing is non-functional due to pipe not attached to new pump. Need to contact owner. Owner will need to coordinate with CVFPB regarding the modifications made to this crossing (modifications include pipe replacement, material used for pipe replacement, and debris left from construction on levees). (O. Magana - DWR UCIP)12/04/2013
Pipe rusted through on WS berm. Siphon breaker in CMP riser blocked by riser misalignment. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: *REMOVED* 12-inch steel drainpipe through the levee, 4 feet below the crown. Pump on pile structure in drainage ditch is located on the landside (LS). One corrugated metal cutoff wall and a siphon breaker in a 24-inch corrugated metal pipe (CMP) riser located on the waterside (WS) shoulder. Flap gate is located on the WS end. (12-inch pipe removed in 2016 no permit found authorizing work; 12-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10183, 1974 - Miller) [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual Unit 108, April 1964, As-built drawing no. 50-04-3379 (HLM 4.32)].
FS Date: 12/6/2016

Photo 3 of 3 : UCIP_SP_2017_51640_45054.jpg



Siphon breaker in CMP riser blocked by the risers misalignment.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| N/A : Not Applicable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

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|--|------|------------|--------------------------|-----------------|
| Unit No. 01 Cache Slough/Unit No. 02 Haas Slough | Left | 6.85 | 04/12/2017 04/12/2017 | Herman Phillips |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.31 | Rating ** | M | Issue No. | 125 |
| LM End | 4.31 | Issue Type + | Ma | Location * | CR |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.313955 ° | 38.313955 ° |
| | | | | -121.739930 ° | -121.739930 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:51459
DS_ID:24705
EP_NO: 10182
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 12/06/2016 Crossing has been downgraded from "Urgent" to "Non-Urgent" no signs of leaks observed along pipe alignment (limited inspection on WS toe). According to LMA representative, this crossing was replaced 6 years ago (2010) at WS concrete apron. Recommend conducting internal inspection of pipe through the levee and LS to determine pipe integrity. (O. Magana - DWR UCIP) 12/04/2013 Vegetation and soil buildup throughout pipe preventing flapgate from closing. Remove vegetation to allow gate to close properly. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. 36-inch concrete standpipe located on the landside (LS) toe. Flapgate located on the waterside (WS) toe. Two corrugated metal (CM) cut of walls installed. (24-inch pipe authorized [HLM 4.65] under Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Machado) [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual Unit 108, April 1964, Asbuilt Dwg. 50-04-3379 (HLM 4.65)].
FS Date: 12/6/2016

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 4.31 | Rating ** | M | Issue No. | 125 (cont) |
| LM End | 4.31 | Issue Type + | Ma | Location * | CR |

Photo 1 of 3 : UCIP_SP_2017_51459_45062.jpg



CMP pipe and flapgate off WS toe.

Photo 2 of 3 : UCIP_SP_2017_51459_45061.jpg



36-inch concrete riser on LS toe at channel.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

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|--|------|------------|--------------------------|-----------------|
| Unit No. 01 Cache Slough/Unit No. 02 Haas Slough | Left | 6.85 | 04/12/2017 04/12/2017 | Herman Phillips |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 4.31 | Rating ** | M | Issue No. | 125 (cont) | |
| LM End | 4.31 | Issue Type + | Ma | Location * | CR | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 38.313955 ° | 38.313955 ° | |
| | | | | -121.739930 ° | -121.739930 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:51459 DS_ID:24705 EP_NO: 10182 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/06/2016 Crossing has been downgraded from "Urgent" to "Non-Urgent" no signs of leaks observed along pipe alignment (limited inspection on WS toe). According to LMA representative, this crossing was replaced 6 years ago (2010) at WS concrete apron. Recommend conducting internal inspection of pipe through the levee and LS to determine pipe integrity. (O. Magana - DWR UCIP)12/04/2013 Vegetation and soil buildup throughout pipe preventing flapgate from closing. Remove vegetation to allow gate to close properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. 36-inch concrete standpipe located on the landside (LS) toe. Flapgate located on the waterside (WS) toe. Two corrugated metal (CM) cut of walls installed. (24-inch pipe authorized [HLM 4.65] under Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Machado) [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual Unit 108, April 1964, Asbuilt Dwg. 50-04-3379 (HLM 4.65)]. FS Date: 12/6/2016 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_51459_45060.jpg



36-inch concrete riser with vegetation buildup inside.

| | | | | | |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.72 | Rating ** | M | Issue No. | 19 |
| LM End | 4.72 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.318462 ° | 38.318462 ° |
| | | | | -121.744535 ° | -121.744535 ° |
| DWR ID | DWR_RD2104_01_s_2013_19 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Note and monitor erosion site | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2104 Peters Pocket Tract

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|-----------------|
| Unit No. 01 Cache Slough/Unit No. 02 Haas Slough | Left | 6.85 | 04/12/2017 04/12/2017 | Herman Phillips |

| | | | | | |
|-------------------------------------|---------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 4.77 | Rating ** | M | Issue No. | 53 |
| LM End | 4.77 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Erosion / Bank Caving | | 38.318685 ° | 38.318685 ° | |
| | | | -121.745368 ° | -121.745368 ° | |
| DWR ID | DWR_RD2104_01_s _ 2013_53 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------------------------|---------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 4.88 | Rating ** | M | Issue No. | 24 |
| LM End | 4.88 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Erosion / Bank Caving | | 38.319559 ° | 38.319559 ° | |
| | | | -121.747085 ° | -121.747085 ° | |
| DWR ID | DWR_RD2104_01_s _ 2012_24 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Note and monitor the erosion site. | | | | | |

No Photos

| | | | | | |
|-------------------------------------|---------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 4.90 | Rating ** | M | Issue No. | 29 |
| LM End | 4.90 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Erosion / Bank Caving | | 38.319812 ° | 38.319812 ° | |
| | | | -121.747434 ° | -121.747434 ° | |
| DWR ID | DWR_RD2104_01_s _ 2012_29 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Note and monitor erosion site. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2104 Peters Pocket Tract

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|--------------------|
| Unit No. 01 Cache Slough/Unit No. 02 Haas Slough | Left | 6.85 | 04/12/2017 04/12/2017 | Herman Phillips |

| | | | | | |
|-------------------------------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.04 | Rating ** | M | Issue No. | 41 |
| LM End | 5.04 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.321582 ° | 38.321582 ° |
| | | | | -121.748546 ° | -121.748546 ° |
| DWR ID | DWR_RD2104_01_s _ 2012_41 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Note and monitor the erosion site. | | | | | |

No Photos

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.05 | Rating ** | M | Issue No. | 55 |
| LM End | 5.12 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.321719 ° | 38.322666 ° |
| | | | | -121.748556 ° | -121.748448 ° |
| DWR ID | DWR_RD2104_01_s _ 2013_55 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Note and monitor erosion site on the landside slope. | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2104 Peters Pocket Tract

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|------|------------|--------------------------|-----------------|
| Unit No. 01 Cache Slough/Unit No. 02 Haas Slough | Left | 6.85 | 04/12/2017 04/12/2017 | Herman Phillips |

| | | | | | |
|----------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.29 | Rating ** | U | Issue No. | 73 |
| LM End | 5.29 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Repair Gates | | | 38.323281 ° | 38.323281 ° |
| | | | | -121.751272 ° | -121.751272 ° |
| DWR ID | DWR_RD2104_01_s_2014_73 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Repair damaged gate. | | | | | |

Photo 1 of 1 : SP_2017_RD2104_249_73_20170404_00005.jpg



Repair this gate at levee mile 5.72.

| | | | | | |
|--------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.35 | Rating ** | M | Issue No. | 33 |
| LM End | 5.36 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.323595 ° | 38.323730 ° |
| | | | | -121.752295 ° | -121.752430 ° |
| DWR ID | DWR_RD2104_01_s_2012_33 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Note and mmoonitor the erosion site. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|